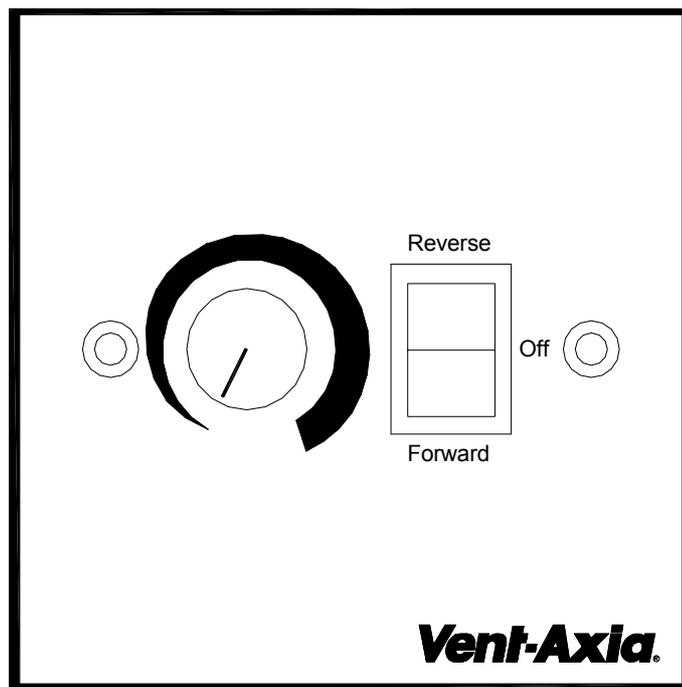


# **Vent-Axia<sup>®</sup>**

## **SAC 5 ELECTRONIC REVERSING FAN CONTROLLER**

### **Installation and Wiring Instructions**



**Stock Ref. No  
428238**

**230V/1/50Hz**

READ INSTRUCTIONS IN CONJUNCTION WITH ILLUSTRATIONS  
READ AND SAVE THESE INSTRUCTIONS



These instructions refer to the following controller:-

**SAC 5 230V a.c. 50Hz Maximum Operating current:- 1.7A**

**IMPORTANT: READ THESE INSTRUCTIONS BEFORE COMMENCING INSTALLTION.**

**DO NOT** install this product in areas where the following may be present or occur.

- Excessive oil or grease laden atmosphere
- Corrosive or flammable gases, liquids or vapours.
- Ambient temperatures higher than 40°C or less than -5°C.
- Relative humidity above 95%

#### **SAFETY AND GUIDANCE NOTES**

- A. All wiring must be in accordance with the current IEE Regulations, or the appropriate standards of your country.
- B. The control switch should be provided with a local double pole isolator switch having a contact separation of at least 3mm.
- C. Ensure that the mains supply (Voltage, Frequency and phase) complies with the rating label.
- D. The control switch should only be used in conjunction with the appropriate Vent-Axia product.
- E. It is recommended that the connection to the terminal box be made with flexible cable/conduit.
- F. This control switch should not be used where it is liable to be subject to direct water spray from hoses etc.

#### **INSTALLATION**

The controller is suitable for surface mounting only. Remove front cover and ensure back box is securely fixed to the wall in a well-ventilated area. Route supply and load cables through the “knock-out” holes provide

If the controller is mounted on a conductive (metal) surface, that surface must be earthed.

#### **GENERAL WIRING**

**WARNING:-The control Equipment Must Be isolated from the power supply during installation and/or maintenance. The Equipment must be earthed.**

Connect the power supply from the local isolator (via any appropriate controls if fitted) and the load supply to the back box via an appropriate cable gland. Refer to the wiring diagram.  
Ensure that all earth connections have been made.

After completing and checking the connections to the controller replace the front cover ensuring that it is correctly seated in place. Ensure that all cable gland/grommet fixings and lid fixings are tightened correctly to prevent water ingress.

#### **OPERATION**

Switch on the mains supply and select either Forward or Reverse via the control rocker switch. Check required rotation of fan and turn the control knob from minimum to maximum to ensure the fan operates correctly.

The minimum speed is preset and does not normally need adjusting. If adjustment is necessary ensure control knob is set to minimum speed, and then remove the front cover to access the adjustment potentiometer (Labelled minimum voltage).

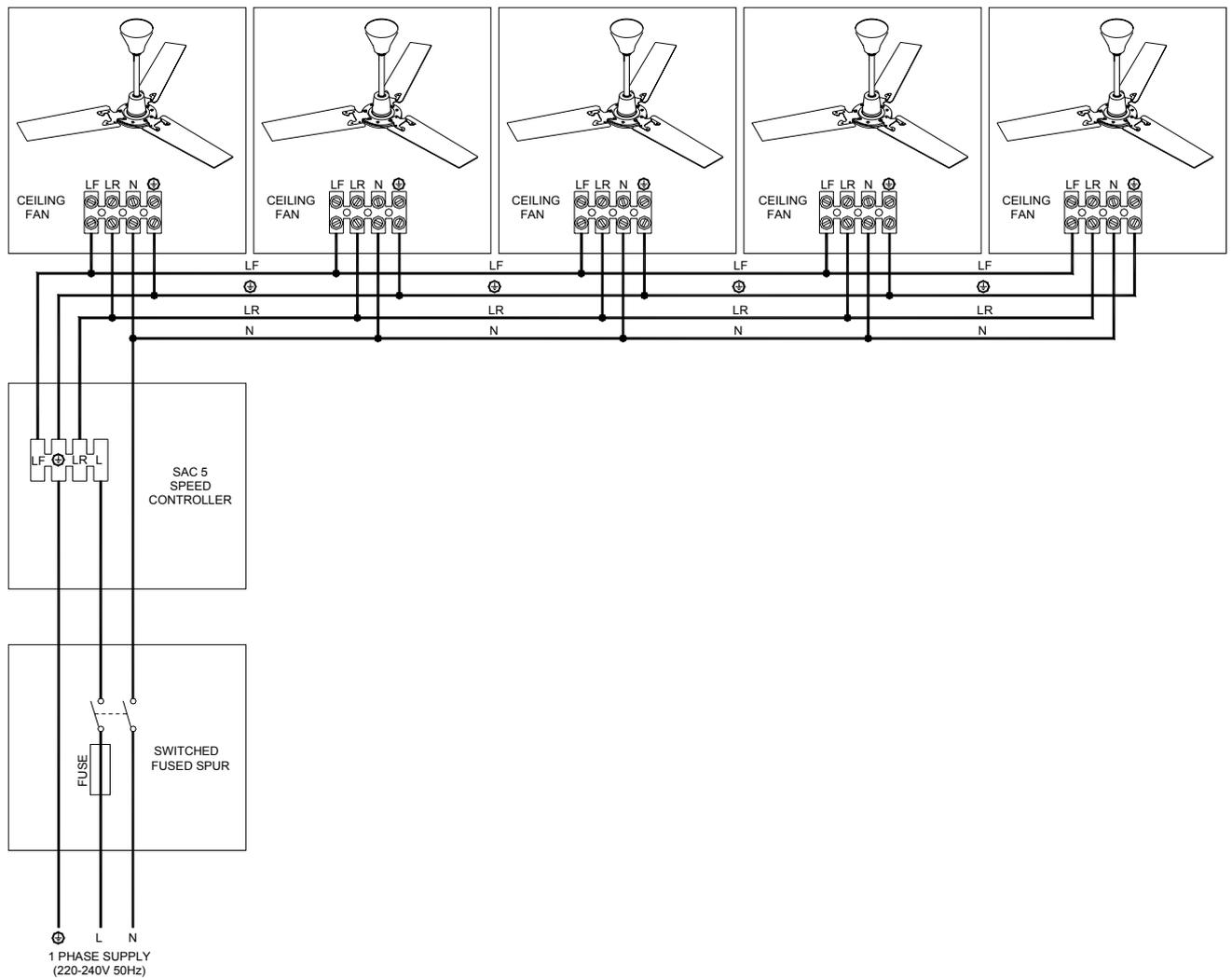
**Warning:- When adjusting potentiometer mains voltage is present. It is the responsibility of the user to ensure compliance with all statutory safety regulations.**

Ensure that at the selected minimum speed the fan will start from stationary for both directions of rotation otherwise overheating and damage to the fan may occur.

These controllers are not fitted with a reset function. In the event of fan failure it is possible for the fan to restart without warning. It is the installer's responsibility to provide adequate safety devices to meet the requirements of all statutory safety regulations.

**WIRING DETAILS**

**NOTE:- THE CONTROLLER IS DESIGNED TO BE USED WITH A SINGLE FAN OR UP TO A MAXIMUM OF 5 CEILING SWEEP FANS.**



**THE CONTROLLER IS FITTED WITH AN INTERNAL FUSE TO PROTECT CONTROLLER WIRING AND COMPONENTS. IT IS NOT DESIGNED TO PROVIDE MOTOR OVERLOAD PROTECTION, ADDITIONAL CONTROL EQUIPMENT IS NECESSARY FOR THIS FUNCTION.**

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## The Vent-Axia Guarantee

Applicable only to products installed and used in the United Kingdom. For details of the Guarantee outside of the United Kingdom contact your local supplier.

Vent-Axia guarantees this product for one year from the date of purchase against faulty material or workmanship. In the event of any part being found to be defective, the product will be repaired, or at the Company's discretion the product will be replaced without charge, provided that the product:

- 1). Has been installed and used in accordance with the instruction given with each unit.
- 2). The electricity supply complies with the rating label.
- 3). Has not been misused, neglected or damaged.
- 4). Has not been modified or repaired by any person not authorized to do so by Vent-Axia.

### IF CLAIMING UNDER THE TERMS OF THE GUARANTEE

Please return the complete product, carriage paid to your original supplier by post or in person. Please ensure that it is adequately packed and accompanied by a letter clearly marked 'Guarantee Claim' stating the nature of the fault and providing proof of the date and source of purchase

As part of the policy of continuous product improvement  
Vent-Axia reserve the right to alter specifications without notice

## **Vent-Axia**

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